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*Supplementary Data*

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Table S. List of benthic taxa detected during the manipulative experimental research, with the relative occurrence frequencies in the 4 sampling times (T1, T2, T3, T4) and in the 2 subsets referred to treatment S+ (with *Sabella spallanzanii*) and controls S- (without *S. spallanzanii*).  
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			S-				S+			
			T1	T2	T3	T4	T1	T2	T3	T4
Chlorophyta	<i>Bryopsis pennata</i>	Lamouroux, 1809	0.385	0.06	0	0	0.34	0.007	0	0
	<i>Chaetomorpha linum</i>	(Müller) Kützing, 1845	0	0	0	0	0	0	0	0.001
	<i>Ulva intestinalis</i>	Linnaeus, 1753	0.099	0.011	0	0	0.075	0	0	0
	<i>Ulva rotundata</i>	Bliding, 1968	0	0	0	0.001	0	0	0	0.002
Ochrophyta	<i>Dictyopteris polypodioides</i>	(De Candolle) Lamouroux, 1809	0	0	0	0	0.003	0	0	0
	<i>Dictyota dichotoma</i>	(Hudson) Lamouroux, 1809	0.007	0	0	0	0.014	0	0	0
	<i>Elachista fucicola</i>	(Velley) Areschoug, 1842	0	0	0.001	0.001	0	0	0.001	0
Rhodophyta	<i>Aglaothamnion feldmanniae</i>	Halos, 1965	0	0	0	0	0	0.002	0	0.001
	<i>Amphiroa rigida</i>	Lamouroux, 1816	0	0	0	0.003	0	0	0	0.002
	<i>Amphiroa</i> sp.	Lamouroux, 1812	0	0.001	0	0	0	0.001	0	0.001
	<i>Antithamnion cruciatum</i>	(Agardh) Nägeli, 1847	0.367	0.168	0.05	0.059	0.318	0.075	0.014	0.029
	<i>Ceramium tenerimum</i>	(Martens) Okamura, 1921	0	0.019	0.001	0.035	0	0.014	0	0.026
	<i>Chylocladia verticillata</i>	(Lightfoot) Bliding, 1928	0	0	0	0	0	0	0	0.001
	Encrusting Calcified Rhodophytes		0.003	0.009	0.018	0.01	0.003	0.004	0.005	0.008
	<i>Eupogodon planus</i>	(Agardh) Kützing, 1845	0	0	0	0	0	0	0.001	0
	<i>Nitophyllum albidum</i>	Ardissonne, 1875	0	0.003	0	0	0	0.002	0	0.002
	<i>Peyssonnelia squamaria</i>	(Gmelin) Decaisne ex Agardh, 1842	0	0	0	0.005	0	0	0	0.004
	<i>Spyridia filamentosa</i>	(Wulfen) Harvey, 1833	0	0.001	0.001	0	0	0.002	0	0
Porifera	<i>Leucetta</i> sp.	Haeckel, 1872	0	0.001	0	0.017	0	0.001	0	0.017
	<i>Paraleucilla magna</i>	Klautau, Monteiro & Borojevic, 2004	0	0.013	0.007	0.044	0.001	0.023	0.005	0.03
	<i>Sycon raphanus</i>	Schmidt, 1862	0	0	0	0.002	0	0.001	0	0.004
Cnidaria	<i>Aglaophenia picardi</i>	Svoboda, 1979	0	0.001	0.001	0	0	0.001	0	0
	<i>Clytia linearis</i>	(Thorneley, 1900)	0	0.003	0	0	0	0.001	0	0
	<i>Corydendrium parasiticum</i>	(Linnaeus, 1767)	0	0.001	0.001	0.02	0	0	0.007	0.023
	<i>Eudendrium racemosum</i>	(Cavolini, 1785)	0	0.014	0.006	0.016	0	0.013	0.006	0.008
	<i>Halecium</i> sp.	Oken, 1815	0	0	0.001	0	0	0	0	0
	<i>Hydrodendron mirabile</i>	(Hincks, 1866)	0	0	0	0.003	0	0	0	0.009
	<i>Obelia dichotoma</i>	(Linnaeus, 1758)	0	0.004	0.004	0.009	0	0.003	0.006	0.021
Mollusca	<i>Anomia ephippium</i>	Linnaeus, 1758	0	0.001	0.007	0.024	0	0.001	0.008	0.029
	<i>Hiatella rugosa</i>	(Linnaeus, 1767)	0	0	0	0.001	0	0	0	0
	<i>Limaria hians</i>	(Gmelin, 1791)	0	0	0	0.003	0	0	0	0.004
	<i>Mimachlamys varia</i>	(Linnaeus, 1758)	0	0.001	0.001	0.011	0	0.001	0.003	0.012
	<i>Musculus costulatus</i>	(Risso, 1826)	0	0.001	0.001	0	0	0	0.001	0

	<i>Musculus subpictus</i>	(Cantraine, 1835)	0	0	0.001	0.002	0	0	0.001	0.001
	<i>Mytilus galloprovincialis</i>	Lamarck, 1819	0.032	0.155	0.29	0.126	0.087	0.258	0.342	0.169
	<i>Ostrea edulis</i>	Linnaeus, 1758	0	0	0	0.006	0	0	0.002	0.006
	<i>Ruditapes decussatus</i>	(Linnaeus, 1758)	0	0	0	0	0	0	0	0.001
Annelida	<i>Branchiomma luctuosum</i>	(Grube, 1870)	0	0.011	0.03	0.12	0	0.026	0.038	0.114
	<i>Hydroides elegans</i>	(Haswell, 1883)	0.005	0.102	0.044	0.022	0.004	0.106	0.04	0.016
	<i>Polycirrus aurantiacus</i>	Grube, 1860	0	0.001	0.001	0.002	0	0	0	0.003
	<i>Sabella pavonina</i>	Savigny, 1822	0	0	0.002	0.004	0	0.001	0.016	0.005
	<i>Spirobranchus lamarcki</i>	(Quatrefages, 1866)	0	0.003	0.025	0.014	0	0.003	0.019	0.018
Bryozoa	<i>Amathia lendigera</i>	(Linnaeus, 1758)	0	0	0	0.003	0	0	0	0
	<i>Bugula neritina</i>	(Linnaeus, 1758)	0.033	0.003	0.008	0.001	0.088	0.002	0.003	0.002
	<i>Bugulina avicularia</i>	(Linnaeus, 1758)	0	0	0.001	0	0	0.001	0	0
	<i>Bugulina fulva</i>	(Ryland, 1960)	0.031	0.012	0.015	0.003	0.034	0.018	0.011	0.005
	<i>Bugulina stolonifera</i>	(Ryland, 1960)	0	0	0.005	0.001	0	0	0.01	0.001
	<i>Celleporaria brunnea</i>	(Hincks, 1884)	0.007	0	0	0	0.005	0	0	0
	<i>Cradoscrupocellaria bertholletii</i>	(Audouin, 1826)	0	0.003	0.001	0	0	0.002	0.003	0
	<i>Crisia eburnea</i>	(Linnaeus, 1758)	0	0.002	0.002	0.036	0	0.001	0.007	0.017
	<i>Cryptosula pallasiana</i>	(Moll, 1803)	0	0	0	0.011	0	0	0	0.025
	<i>Schizobrachiella sanguinea</i>	(Norman, 1868)	0.005	0.013	0.013	0.008	0.004	0.005	0.011	0.005
	<i>Schizoporella errata</i>	(Waters, 1878)	0	0.067	0.065	0.087	0	0.08	0.032	0.077
	<i>Scrupocellaria scruposa</i>	(Linnaeus, 1758)	0.013	0.001	0	0	0.018	0.001	0	0
Arthropoda	<i>Microeuraphia depressa</i>	(Poli, 1791)	0.005	0.007	0.006	0.003	0.004	0.004	0.006	0.006
Chordata	<i>Ascidia malaca</i>	(Traustedt, 1883)	0	0	0.001	0	0	0	0.001	0
	<i>Ascidiella aspersa</i>	(Müller, 1776)	0.001	0	0	0.012	0.002	0	0	0.031
	<i>Botryllus schlosseri</i>	(Pallas, 1766)	0	0.006	0	0.001	0	0.003	0.003	0
	<i>Ciona intestinalis</i>	(Linnaeus, 1767)	0	0	0.003	0	0	0	0.002	0
	<i>Clavelina lepadiformis</i>	(Müller, 1776)	0.001	0.065	0.058	0.073	0.001	0.104	0.051	0.028
	<i>Lissoclinum weigelei</i>	Lafargue, 1968	0	0	0	0	0	0	0.001	0
	<i>Phallusia mammillata</i>	(Cuvier, 1815)	0	0	0	0.023	0	0.001	0.008	0.001
	<i>Pyura microcosmus</i>	(Savigny, 1816)	0	0.005	0.072	0.236	0	0.012	0.052	0.172
	<i>Styela canopus</i>	(Savigny, 1816)	0	0	0	0	0	0	0.001	0
	<i>Styela plicata</i>	(Lesueur, 1823)	0.006	0.227	0.224	0.036	0.009	0.212	0.202	0.043
	<i>Trididemnum cereum</i>	(Giard, 1872)	0.001	0.01	0.034	0.008	0.001	0.013	0.083	0.019
	<i>Trididemnum inarmatum</i>	(Drasche, 1883)	0	0	0.002	0	0	0	0.001	0